

References

- [1] U.S. Pat. No. 2,426,460, entitled SYSTEM FOR LOCATION A RADIATED-SIGNAL REFLECTOR, filed August 26, 1947, by H. M. Lewis.
- [2] D. G. Tucker, V. G. Welsby and R. Kendell, "Electronic Sector Scanning," *J. Brit. IRE*, vol. 18, August 1958.
- [3] US Patent 2,852,772, L. G. Gitzendanner, "Receive Scanning System," September 16, 1958.
- [4] D. E. N. Davies, "Radar Systems with Electronic Sector Scanning," *J. Brit. IRE*, vol. 18, December 1958.
- [5] D. G. Tucker, V. G. Welsby, L. Kay, M. J. Tucker, A. R. Stubbs and J. G. Henderson, "Underwater Echo-Ranging with Electronic Sector Scanning: See Trails on R.R.S. Discovery II," *J. Brit. IRE*, vol. 19, November 1959.
- [6] H. E. Shanks, "A New Technique for Electronic Scanning," *IRE Trans. Antennas Propag.*, vol. AP-9, 1961.
- [7] H. V. Cottony and A. C. Wilson, "A High-Resolution Rapid-Scan Antenna," *J. Research NBS*, vol. 65D, January-February, 1961.
- [8] D. E. N. Davies, "A Fast Electronically Scanned Radar Receiving System," *Br. Inst. Radio Eng. J.*, vol. 21, 1961.
- [9] D. F. Langenwalter and K. M. Stevenson, "Receiver Scanning System," *US Patent 2,426,460*, December 5, 1961.
- [10] S. P. Applebaum, "Electronic Scanning of Circular Arrays," *US Patent 3,076,193*, January 29, 1963.
- [11] P. V. Howells, "MOSAR-Array Multiplex Beamforming Technique," *Symp. Record, 9th Ann. Radar Symp.* (University of Michigan, Ann Arbor), June 1963.
- [12] D. E. N. Davies, "The Application of Electronic Sector Scanning techniques to Height-Finding Radar Systems," *IEE Conf. Electron. Res. Dev. Civil Aviation*, October 1963.
- [13] W. H. Kummer, A. T. Villeneuve and F. G. Terrio, "Scanning without Phase Shifters," *Electronics*, vol. 36, March 29, 1963.
- [14] D. E. N. Davies, "Beam-Positioning Radar Systems Utilizing Continuous Scanning Techniques," *Proc. IEE*, vol. 112, no. 3, 1965
- [15] M. A. Johnson, "Phased-Array Beam Steering by Multiplex Sampling," *Proc. of the IEEE*, vol. 56, no 11, 1968.
- [16] A. K. Edgar and I. L. Jones, "Flood-Lighting with Nyquist Rate Scanning," *AGARD Conf. Proc.*, no. 66, 1970.
- [17] M. F. Radford and R. Greenwood, "A Within-Pulse Scanning Height-Finder," *IEE Conf. On Radar and Future*, no. 105, 1973.
- [18] D. E. N. Davies, "High Data Rate Radar Incorporating Array Signal Processing and Thinned Arrays," *IEEE Int. Radar Conf.*, 1975.
- [19] S. Haykin, "Performance Analysis of a Radar Signal Processing System with Continuous Electronic Array Scanning," 1977, from "Array Processing Applications to Radar," *Benchmark Paper in Electrical Engineering and Computer Science*, vol. 22, 1980.
- [21] "Countermeasures. A Technical Evaluation of the Operational Effectiveness of the Planned US National Missile Defense System," April 2000, from Union of Concerned Scientists, MIT Security Studies Program, <http://www.ucsusa.org/publication.cfm?publicationID=345>

[22] U.S. Pat. No. 5,351,053, entitled ULTRA WIDEBAND RADAR SIGNAL PROCESSOR FOR ELECTRONICALLY SCANNED ARRAYS, filed May 27, 1994, by Wicks, et al.

[23] Nicodimus Retdian, Shigetaka Takagi, Nobuo Fujii, "Voltage Controlled Ring Oscillator with Wide Tuning Range and Fast Voltage Swing", <http://www.ap-asic.org/2002/proceedings/4A/4A-5.PDF>

5

[24] U.S. Pat. Application No. 20,020,175,859, entitled PHASED ARRAY ANTENNA SYSTEM WITH VIRTUAL TIME DELAY BEAM STEERING, filed November 28, 2002, by Newberg, et al.